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EXAMINER

CHIO, TAT CHI

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/623,774	Applicant(s) RYU, HAN SEOP	
	Examiner TAT CHI CHIO	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 8-11, 13, 18 and 19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8-11, 13, 18, and 19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-6, 8-11, 13, 18, and 19 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Jeong (US 7,257,313 B2).

Consider claim 1, Jeong teaches a method for reproducing information from an optical disc having a plurality of titles that correspond to a respective number of video programs stored separately on said optical disc, said method comprising: Kim teaches detecting information indicative of respective playback times of the video programs corresponding to said titles stored on said optical disc, wherein the information indicative of the playback times for each of the video programs of said titles are included with or within management information stored in a predetermined area of the disc (claim 1 and col. 4, lines 31-64), b) selecting and reproducing one of said titles of said optical

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disc with reference to the detected title playback times (claim 1), wherein b) includes: determining a first title corresponding to a first video program having a first playback time (claim 1); determining a second title corresponding to a second video program having a second playback time (claim 1); comparing the first and second playback times (claim 1 and claim 4); determining that the first title that corresponds to the first video program stored on said disc has a longest playback time based on the comparison (claim 1 and claim 4), and selecting and forcibly reproducing the first video program corresponding to the first title with the longest playback time (claim 1 and claim 4), said determining and selecting automatically performed in response to a user command to reproduce information from said optical disc (Fig. 3A).

Consider claim 2, Jeong teaches the method, wherein a) and b) are performed when the user command selects an instant play mode in a displayed title menu (Fig. 3A).

Consider claim 3, Jeong teaches the method, wherein said optical disc having said plurality of titles is a digital versatile disc (DVD) (Fig. 3A and col. 3, lines 4-12).

Consider claim 4, Jeong teaches the method, wherein a) includes: a-1) retrieving navigation information of said optical disc (claim 2); and a-2) detecting the respective playback times of said titles on the basis of the retrieved navigation information (claim 3).

Consider claim 5, Jeong teaches the method, wherein said navigation information includes information about the number of said titles, information about

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respective start addresses of said titles and information about the respective playback times of said titles (col. 3, lines 13-51).

Consider claim 6, Jeong teaches the method, wherein: said titles each include video data stored separately in predetermined units (col. 3, lines 31-51); said navigation information further includes information about playback orders of said video data (col. 3, lines 52-69) and information about playback times of said video data together (col. 3, lines 31-51); and said playback time of each of said titles is detected as the sum of said playback times of said video data (claim 1).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 8-11, 13, 18, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jeong (US 7,257,313 B2) in view of Hashimoto (US 2002/0024893 A1).

Consider claim 8, Jeong teaches a method for reproducing an optical disc having a plurality of titles that correspond to a respective number of video programs stored separately on said optical disc, said method comprising c) if the identified disc type corresponds to said optical disc having the plurality of titles that correspond to the separately stored video programs, then detecting information indicative of respective

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playback times of the plurality of titles of said specific disc, wherein the playback times information for each of said titles are included with or within management information stored in a predetermined area of the disc (claim 1 and col. 4, lines 31-64); and d) selecting and reproducing one of said titles of said specific disc with reference to the detected title playback times (claim 1), wherein d) includes: determining a first title corresponding to a first video program having a first playback time (claim 1); determining a second title corresponding to a second video program having a second playback time (claim 1); comparing the first and second playback times (claim 1 and claim 4); determining that the first title that corresponds to the first video program stored on said disc has a longest playback time based on the comparison (claim 1 and claim 4), and selecting and forcibly reproducing the first video program corresponding to the first title with the longest playback time (claim 1 and claim 4), said determining and selecting automatically performed in response to a user command to reproduce information from said optical disc (Fig. 3A), but Jeong does not explicitly teach a) receiving a user's request to perform an all disc successive play operation with respect to a plurality of discs loaded in an optical disc apparatus; b) identifying a type of a specific disc to be currently reproduced among said plurality of discs.

Hashimoto teaches a) receiving a user's request to perform an all disc successive play operation with respect to a plurality of discs loaded in an optical disc apparatus ([0007] of Hashimoto); b) identifying a type of a specific disc to be currently reproduced among said plurality of discs (S5 of Fig. 12 of Hashimoto). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was

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made to modify the device taught by Jeong to a multi-disc player so that the user does not have to manually change disc after the player finishes playing one disc.

Consider claim 9, Jeong teaches the method, wherein said specific disc having a plurality of titles is a DVD (Fig. 3A and col. 3, lines 4-12).

Consider claim 10, Jeong teaches the method, wherein said step c) comprises: detecting the respective playback times of said titles of said specific disc on the basis of navigation information of said specific disc (claim 3).

Consider claim 11, Jeong teaches the method, wherein: said titles each include video data stored separately in predetermined units (col. 3, lines 31-51); said navigation information includes information about playback orders of said video data (col. 3, lines 52-69) and information about playback times of said video data together (col. 3, lines 31-51); and said playback time of each of said titles is detected as the sum of said playback times of said video data (claim 1).

Consider claim 13, Hashimoto teaches the method, further comprising the step of: e) if the reproduction of said specific disc is completed, then successively reproducing a next one of said plurality of discs (Fig. 12).

Consider claim 18, Jeong and Hashimoto teach a method for reproducing an optical disc having a plurality of titles that correspond to a respective number of video programs stored separately on said optical disc, said method comprising: a) identifying a type of a specific optical disc located at a position readable by an optical pickup when an all disc repeat play mode is set in a multi-disc changer under the condition that a plurality of optical discs including the specific optical disc are loaded in said multi-disc

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changer, said changer being adapted to wait at a menu picture before or after DVD reproduction in a general play mode ([0070] of Hashimoto); b) if the identified optical disc type corresponds to a DVD, forcibly reproducing one of a plurality of titles recorded on said DVD on the basis of navigation information stored in a predetermined area of said DVD said navigation information including information indicative of playback times for each of said titles, the one of said titles forcibly reproduced selected based on a corresponding one of the playback times information stored in said predetermination of the playback times stored in said predetermined area of the DVD ([0008] and [0106] of Hashimoto, the data group that has the longest data length in a DVD is forcibly reproduced and the longest data length in a DVD corresponding to the story portion which has the longest playback times in a DVD); c) terminating the reproduction of said DVD by force if the title reproduction is completed (Fig. 12 of Hashimoto); and d) rotating a multi-tray in order for the disc seated in a next slot to be located at said position readable by said optical pickup ([0074] of Hashimoto), wherein b) includes: determining a first title corresponding to a first video program having a first playback time (claim 1 of Jeong); determining a second title corresponding to a second video program having a second playback time (claim 1 of Jeong); comparing the first and second playback times (claim 1 and claim 4 of Jeong); determining that the first title that corresponds to the first video program stored on said disc has a longest playback time based on the comparison (claim 1 and claim 4 of Jeong), selecting and forcibly reproducing the first video program having the first title with the longest playback time (claim 1 and claim 4 of Jeong), the first video program automatically selected and

forcibly reproduced in response to a user command setting the all disc repeat play mode of the multi-disc changer (Fig. 3A of Jeong and Fig. 18 of Hashimoto).

Consider claim 19, Hashimoto teaches the method, wherein said forcible reproduction and termination are performed by omitting the operation of waiting at said menu picture before or after the DVD reproduction ([0073]).

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAT CHI CHIO whose telephone number is (571)272-9563. The examiner can normally be reached on Monday - Thursday 9:00 AM-5:00 PM EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on (571)-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. C. C./
Examiner, Art Unit 2621

/Thai Tran/
Supervisory Patent Examiner, Art Unit 2621